NITRO ®

1/3" 日夜型防暴摄像机



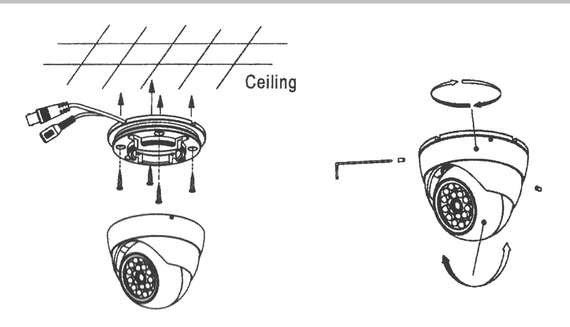
前言

NITRO 的 NVP3 系列日夜型防暴摄像机采用专业 SONY 芯片组，最高分辨率可达 540TVL。铝制密封外壳,防暴设计,集成高性能红外光束,红外照射距离可达 15 米.

注意事项

1.NVP3 适用电源：DC 12V ±10%，提供电流不小于 300mA。
2.切记不要在有雨或者潮湿的环境下使用。
3.避免在高、低温环境下使用（建议使用温度范围：-10 度~50 度）
4.切记不要自行拆卸或更改 NVP3 摄像机的元件，附件，NITRO 公司对由此引起的任何事故或者由此带来的任何麻烦不负担任何责任。
5.不要把摄像机镜头正对日光直射安装。
6.直接在日光灯或者荧光灯环境下安装使用 NVP3 摄像机，可能会引起监视器出现闪烁现象，这是正常现象。
7.在工业区或者商业区(如设备厂房,电子附近)安装使用摄像机,尽量避开强烈的电磁场.
8.切忌将任何电源直接与 VIDEO 端子相连,否则会造成摄像机的损坏.
9.当使用视频/电源复合传输电缆时,请核对你的监视器的规格说明以确保摄像机的视频信号端子和监视器能正确的连接.
10.切忌做好防电措施,否则可能导致电击事故.
11.如果发现摄像机无法正常工作,请立即关掉电源,然后检查系统连接、电源、电缆和视频电缆的连接是否正确。
*请勿将摄像机镜头直对强光照射,可能会造成 CCD 的损坏.

安装图示



操作

注:在进行任何电气连接之前,请确保你的 NVP3 半球摄像机和监视器的电源处于关闭状态.
1.在确定的安装位置钻两个孔位以备视频线和电源线的使用
2.用螺钉(M3*16*3PCS)将底盖固定,调整好摄像机所需要的视域角度和聚焦位置,然后连接视频线和电源线.
注:摄像机与监视器间同轴电缆的最大延伸长度,推荐使用下表数据参考:

同轴电缆型号	SYV75-3	SYV75-5	SYV75-7	SYV75-9
推荐使用长度 单位(米)	150	250	400	500

3.使用配件中的 L 型扳手,将机身部分固定在底盖(注意留有一定的转动空间)
4.通过转动摄像机机身的球体部分来调整摄像机的监控角度.将其调整到理想的角度后,再使用 L 型扳手将机身完全固定.

配件清单

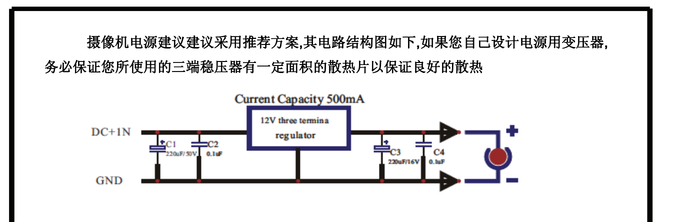
No.	名称	数量
1	螺丝钉	1 包
2	摄像机	1 只
3	说明书	1 张
4	L 型扳手	1 条

电源连接指示

当监视器上图像显示不正常时,请按照以下提示方法进行检查:

1. 电源线和视频电缆连接是否良好
2. 电源线和视频电缆中间是否有拉断或者损坏.
3. 监视器与摄像机制式是否匹配(NTSC 或 PAL 制式)
4. 12V 电源是否稳定在 DC 12V 10%的范围之内以及其提供电流是否小于 300mA.
   如果上述挤点都得到确认,摄像机仍未正常工作,则立即切断电源,然后与您的经销商联系.

摄像机电源建议建议采用推荐方案,其电路结构图如下,如果您自己设计电源用变压器,务必保证您所使用的三端稳压器有一定面积的散热片以保证良好的散热



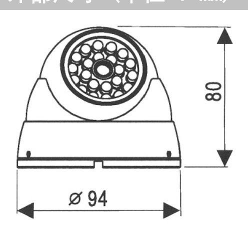
规格

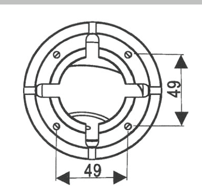
型号	NVP-3UHRIRX	NVP-3HRIRX	NVP-3SRIRX
传感器	1/3"SONY Super HAD CCD		
信号系统	PAL		
像素	PAL:752（H）×582（V）		512(H) ×582(V)
解析度	540 线	480 线	420 线
最低照度	0.2Lux/F1.2(0.01 Lux /F1.2 with BW)		
快门	1/50 秒至 1/100,000 秒		
镜头	标配 3.6mm（6，8，12mm 可选）		
同步方式	内同步		
视频输出	1Vpp Composite Output（75 欧姆/BNC）		
信噪比	大于 48dB		
AGC 增益	自动		
背光补偿	自动		
工作温度	-10℃--60℃		
电源	DC12V±10%		
功耗	5W 最大		
尺寸(mm)	Φ94×80.5mm		
重量	300g		

＃设计以及规格说明如有更改恕不另行通知.
＃NITRO 公司对由于误用、误操作而对操作人员或者监控设备所造成的损伤、损坏或带来的其它事故不负担任何责任.

不管任何原因致使摄像机不能正常工作,或者您在安装操作过程哦那个有任何疑问,请与您的供货商或者经销商联系.

外部尺寸（单位 ： mm）





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NITRO 

1/3" Standard Resolution Vandal Resistance IR Mini Dome



INTRODUCTION

NITRO NVP3 series IR anti-riot professional camera with SONY chipset, up to a maximum resolution of 540TVL. Seal the aluminum shell, anti-design, high-performance integrated infrared light, infrared radiation distance of up to 15 meters.

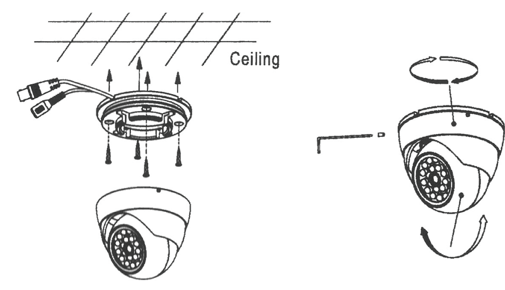
CAUTIONS

1. The application of power: DC 12V ± 10%, Current supply: More than 600mA。
2. Avoid high, the use of low-temperature environment. (Recommended Operation temperature range: -10 ℃ to 50 ℃).
3. Do not disassemble or remodel the camera and its accessories. For the result of any accident or resulting in any trouble, this would void the warranty Claim.
4. Do not install the camera viewing the direct sunlight..
5. In the case of camera installation at direct fluorescent lamps, the colour rotation may occur on the screen of the monitor.
6. During installation, it is recommended to prevent installing the camera too close to the source of the electromagnetic fields, eg. motor, main power source, etc.
7. It is needed to prevent overvoltage or lightning source directly to the camera.
8. It is recommended to choose the correct specification of the monitor to match the performance of the camera.

Details

Note: Before any electrical connections, make sure your video camera and monitor at the power off.

1. In determining the location of the installation of two drill holes for digital video lines and the use of the power cord
2. Will screw with a fixed base of the camera, adjusting the camera a good view of the need to focus on the location and angle, and then connect the power cord and video lines.
3. Parts of the use of L-wrench, part of the fuselage will be fixed in the back, Dial (Note that left some room for turning)
4. Through the rotation of the ball part of the camera body to adjust the camera angle control. To adjust to the



Note: The table below describes the recommended maximum distance of the coaxial cable between the camera and monitor :

Model	SYV75-3	SYV75-5	SYV75-7	SYV75-9
Recommended length Units (meters)	150	250	400	500

COMPONENT LIST

No.	Description	Quantity
1	Screw	1 set
2	Camera	1 set
3	Manual	1 set
4	L-wrench	1 set

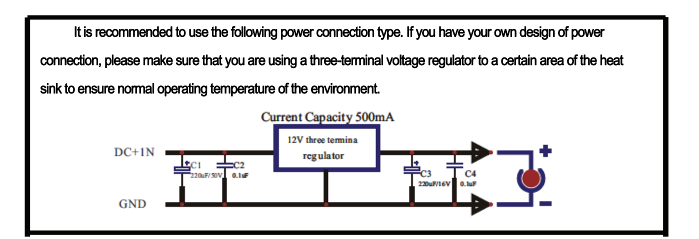
POWER CONNECTION AND TROUBLE SHOOTING

When the video output from the camera shows abnormal operation, follows these instructions for checking:

5. Checking the connection of power source and video cable to be well connected.
6. Checking if any damage of the power cable or video cable to be found.
7. Checking if the video standard (NTSC/PAL) of camera and monitor to the same.
8. Checking the stability in the power DC 12V to be within +/-10%, and the current of each single camera should not be less than 300mA.

After checking all the above status, if the cause of problem would still not be able to solve, please contact your dealer or supplier.

It is recommended to use the following power connection type. If you have your own design of power connection, please make sure that you are using a three-terminal voltage regulator to a certain area of the heat sink to ensure normal operating temperature of the environment.



SPECIFICATIONS

Model	NVP3UHRIRX	NVP3HRIRX	NVP3SRIRX
Image sensor	1/3"SONY Super HAD CCD		
Signal system	PAL		
Effective Pixels	PAL:752（H）×582（V）		512(H) ×582(V)
Resolution	540TVL	480TVL	420TVL
Illumination	0.2Lux/F1.2(0.01 Lux /F1.2 with BW)		
Shutter Speed	1/50s-1/100,000s		
Lens	3.6mm（6，8，12mm）		
Video out	1Vpp Composite Output（75Ω/BNC）		
S/N	More than48dB		
AGC	Auto		
BLC	Auto		
Operation Temperature	-10℃--60℃		
Power Supply	DC12V±10%		
Power consumption	5W MAX		
Dimension	Φ94×80.5mm		
Weight	300g		

#Design and specifications are subject to change without notice..

#As the company for any misuse, and misoperation of the operator or monitoring equipment caused by injury, or damage caused by the accident does not bear any

Whether any of the reasons causing the camera does not work, or in the installation process you have any questions, please contact your local supplier or dealer

SIZE (Unit: mm)

